

LISTING OF THE CLAIMS

Claims 1-20 are pending and stand rejected in the current office action, and are cancelled in this response. Claims 21-51 are added. Applicant respectfully submits that the added claims are fully supported in the description and drawings. A complete listing of the claims is provided below for examiner's convenience.

1-20 (Cancelled)

21. (New) An asymmetric e-commerce transaction method, comprising:

 sending a business message to a server, the business message having additional data attached;

 receiving a response from the server confirming the business message was received;

 sending a polling request to the server;

 receiving a second response from the server confirming the polling request was received, the second response further including a receipt acknowledgement of a result of processing the business message and indicating a message queue associated with the server is not empty;

 sending a second polling request to the server in response to the indication the message queue is not empty;

 receiving a third response from the server including a second business message including the result of processing the business message, the third response indicating the message queue is empty;

 storing the second business message; and

sending a receipt acknowledgement including a result of processing the second business message to the server.

22. (New) The asymmetric e-commerce transaction method of claim 21, further comprising suspending further requests in response to the indication the message queue is empty until the next polling cycle.

23. (New) The asymmetric e-commerce transaction method of claim 21, further comprising receiving from the server a fourth response, the fourth response including a receipt acknowledgement and further indicating the message queue is empty, and awaiting communication with the server until a next polling cycle.

24. (New) The asymmetric e-commerce transaction method of claim 21, wherein the business message is an HTTP POST message request.

25. (New) The asymmetric e-commerce transaction method of claim 21, wherein the additional data is a business message representing an electronic commerce business transaction.

26. (New) The asymmetric e-commerce transaction method of claim 21, wherein the response is a standard HTTP POST acknowledgement

27. (New) The asymmetric e-commerce transaction method of claim 21, wherein the second polling request is interpreted by the server as a request for messages in the message queue.
28. (New) The asymmetric e-commerce transaction method of claim 21, wherein at least one of the polling request and the second polling request is an HTTP POST message.
29. (New) The asymmetric e-commerce transaction method of claim 21, wherein at least one of the second response and the third response is an HTTP POST response.
30. (New) The asymmetric e-commerce transaction method of claim 21, wherein the polling request is sent at configurable intervals or with configurable frequency.
31. (New) The asymmetric e-commerce transaction method of claim 21, wherein the request message includes a receipt acknowledgement comprising at least one of the information or status associated with processing of the second business message.
32. (New) The asymmetric e-commerce transaction method of claim 21, wherein the server is a hub comprising at least one each of a listening component, a sending component and a data store.

33. (New) The asymmetric e-commerce transaction method of claim 21, wherein the business message is sent by a first trading partner, and the polling request is sent by a second trading partner.
34. (New) The asymmetric e-commerce transaction method of claim 21, wherein the server is located at a first trading partner and the client is located at a second trading partner.
35. (New) An asymmetric e-commerce transaction method, comprising:
 - receiving a business message from a client, the business message having additional data attached, the data being moved to a data store for subsequent processing;
 - sending a response to the client confirming the business message was received;
 - receiving a polling request from the client;
 - sending a second response to the client confirming the polling request was received, the second response including a receipt acknowledgement of a result of processing the business message and further indicating an associated message queue is not empty;
 - receiving a second polling request from the client in response to the indication the message queue is not empty;
 - sending a third response to the client including a second business message including the result of processing the business message, the third response indicating the message queue is empty; and

receiving a receipt acknowledgement including a result of processing the second business message from the client.

36. (New) The asymmetric e-commerce transaction method of claim 35, further comprising sending to the client a fourth response, the fourth response including a receipt acknowledgement and further indicating the message queue is empty, and awaiting communication with the client until a next polling cycle.
37. (New) The asymmetric e-commerce transaction method of claim 35, wherein the business message is an HTTP POST message request.
38. (New) The asymmetric e-commerce transaction method of claim 35, wherein the additional data is a business message representing an electronic commerce business transaction.
39. (New) The asymmetric e-commerce transaction method of claim 35, wherein the response is a standard HTTP POST acknowledgement.
40. (New) The asymmetric e-commerce transaction method of claim 35, wherein the second polling request is interpreted by the server as a request for messages in the message queue.

41. (New) The asymmetric e-commerce transaction method of claim 35, wherein at least one of the polling request and the second polling request is an HTTP POST message.
42. (New) The asymmetric e-commerce transaction method of claim 35, wherein at least one of the second response and the third response is an HTTP POST response.
43. (New) The asymmetric e-commerce transaction method of claim 35, wherein the polling request is received at configurable intervals or with configurable frequency.
44. (New) The asymmetric e-commerce transaction method of claim 35, wherein the request message includes a receipt acknowledgement comprising at least one of the information or status associated with processing of the second business message.
45. (New) The asymmetric e-commerce transaction method of claim 35, wherein the server is a hub comprising at least one each of a listening component, a sending component and a data store.

46. (New) The asymmetric e-commerce transaction method of claim 35, wherein the business message is received from a first trading partner, and the polling request is received from a second trading partner.
47. (New) The asymmetric e-commerce transaction method of claim 35, wherein the server is located at a first trading partner and the client is located at a second trading partner.
48. (New) An asymmetric e-commerce transaction method, comprising:
receiving a business message from a client, the business message having additional data attached, the data being moved to a data store for subsequent processing;
sending a response to the client confirming the business message was received, the response further including a business message previously queued at the server and indicating the queue is not empty; and
awaiting further communication with the client.
49. (New) The asymmetric e-commerce transaction method of claim 48, wherein the business message is an HTTP POST message request.
50. (New) The asymmetric e-commerce transaction method of claim 48, wherein the additional data is a business message representing an electronic commerce business transaction.

51. (New) An asymmetric e-commerce transaction system, comprising:
 - a client computer system of a first e-commerce trading partner (first computer system), the first computer system being connected to a network, the first computer system including a sender component and being capable of sending a polling message;
 - a client computer system of a second e-commerce trading partner (second computer system), the second computer system being connected to the network; and
 - a server connected to the network, the server having a listening component, a sending component, and a data store, the server being capable of asynchronously transferring business messages from one of the first and second computer systems to the other of the first and second computer systems.
52. (New) The asymmetric e-commerce transaction system of claim 51, wherein the business messages are HTTP POST messages.
53. (New) The asymmetric e-commerce transaction system of claim 51, wherein the server is a hub.
54. (New) The asymmetric e-commerce transaction system of claim 51, wherein the first computer system is capable of sending the polling messages at configurable intervals or with configurable frequency.